

63 53



#2

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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/083,357

DATE: 03/14/2002
 TIME: 15:46:12

Input Set : D:\tech0109p.pto
 Output Set: N:\CRF3\03142002\J083357.raw

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3 <110> APPLICANT: Qiangdong Zeng et al.
5 <120> TITLE OF INVENTION: Systemic Discovery of New Genes
7 <130> FILE REFERENCE: 032796-090
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/083,357
C--> 9 <141> CURRENT FILING DATE: 2002-02-27
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12 <211> LENGTH: 195
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14 <213> ORGANISM: Saccharomyces cerevisiae
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19 aacgacatac caagcatctgt ttctactgga tatttttttt cattttcttt tccaattact      180
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25 <213> ORGANISM: Saccharomyces cerevisiae
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30 gaagactctc aagatggtgc aaatcgcgaa ctgcgaagta gaaaactgaa gttgaaacgag      180
31 tggttcagct ctgttttgag ttgcaacatc ggtatgcatg ccggtcacgc tgaagaatgg      240
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41 ttgctacctt ttttgggtgc atgcaacagg ttactaatat gtaatacttc agctccccct      120
42 aataaacaat caacagagta tataaagctc gagaacgatg gtgaaaaagag agttatatatt      180
43 aaagtgagga ctagtgtctc cacaaagtat tgtgtgaggg ccaatgtggc catcataggt      240
44 gctcatgaaa gtgtaaatgt ccaaattgtt ttccctggat tacccaagtc aaccgctgac      300
45 gatgaaatgg accaaaaaag agacaaattc ttgatcgtta caattcctat cccggcagct      360
46 taccaaaaag tggaggatgg cgagctgttg tccgattggc ctaatctgga agagcagcat      420
47 aaagatgaca tagctcttca gaagatcaaa atatttcaact ccgtgttaac gaaaagaaaa      480
48 ccgtctggaa accacgatgc aagaatcagca agagcgccat cagcaggttaa cgggcaaatg      540
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120 caagacatcc atatttcaag ccacatccat agagatacct ccaacagcgc gttgttgaag 180
121 attttggtaa ttacaagaac gaggttagat tccttcgta aaacttag 228
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130 ggcctcatct tcctctcctt ttttccccc atctacatat cgctgttatt gaacggaagc 120
131 atctttctttt tttattatgc tcagagggcc ctacatgaca gctttttttt ccccaatgag 180
132 ctgctacggt gccagatctg cttatgttca ttattttgga tggtaaccgt tataaattta 240
133 aagcgtttct tcgctaggat ggtgaatatt agtattttatc agccgtctcg taatcgttta 300
134 gttcgttact ag 312
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137 <211> LENGTH: 231
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143 caccatctgc acggtgttat aatgtcccg gtctatatat atccattgac ggtattctat 120
144 ttttttgata ttgaaatgag cgttttttgt tactacaatt ggttttacag acggaatttt 180
145 ccctatttgt ttctgcccat ttttctttt ctcatgttcc tcatacttta a 231
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154 cctttcgatt taatgaagtg gcgtagattt cattgtggcg ctgttctgt tggaaacctg 120
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165 tcacctttac agcaagaagt attgacaaa tacaacacgc ttctttttaga ctctaaagct 120
166 ctggatgaaa ctataaagaa actaaactat tcgcaacaca ggcaacagca ttacacagcaa 180
167 gaaactgtat gcgcagatga gatactacag gagatgaggc acatagaggt caaaattggt 240
168 tttagttgga cactgtctaa aggtagcgtg tactcgctta tcttgcaag aaagcaagaa 300
169 caggagtctt tgggtagcaa ttctaaataa 330
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179 tccttccctaa aaagtataaa ttatgaggat ttgaaacggg ataaggagct atcaaggata 180
180 caacatggca atgatgaagc aattgaagat ttataatccc taaaacagaa tagttcgata 240
181 aagtcattca caaattctca aactgattcg accacttcaa aaacagtaaa cacataaatt 300
182 gacttagaaa agcgcccaga ggatgaagat gaggtggaaa atggagatag atcaactagt 360
183 ggcgttttca aacatccatc aataatcaaa tcctttgcgt ccagaacaga cataaatgat 420
184 aagtttaaag aaggtaacaa gacagctcaag attctaaagt cttacaagac agtggggagt 480
185 tcaaaagcct ctatcacata tatggggaaa acgagaaaaa taatagcacc aaagaggaaa 540
186 actgaaggga gccacgcgta ccacatgac catcataata aaaaaatgaa aatgaaaacg 600
187 aaaaacaaat cgaataaact tttgaaagc ggacaagata gctttgataa tttag 654
189 <210> SEQ ID NO: 15
190 <211> LENGTH: 318
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196 agcactccct ccaaggattc taacaagaat ggcagctccg tgtccacgat cctcgacact 120
197 aagtgggata ttgtcctgtc caacatgctg gtcgaagact ccatgggttt tggcggtggg 180
198 gtgttcacct cagtattatt ctccaagcgc cgtgcatttc ctgtatggct aggcattgga 240
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200 agatcctcga aggttttag
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203 <211> LENGTH: 393
204 <212> TYPE: DNA
205 <213> ORGANISM: Saccharomyces cerevisiae
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210 ttacagtgca tgtacaatga tgacaagctg ctgcaaggcg tgagagggat ggctcagcaac 180
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212 tatgtatctc cgtggctaaa ctatattaag cagaacaacc ttgagaatgc gagggcgtat 300
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234 cattattggt attcatctct ggtagggaaa caactgtctc aaagattccc acttttttat 180
235 ccgttgtaag atgcccgtag tatacotata tccagtttcc tcatctctaa agatttttgc 240
236 gtttctctgt gctgcatgat ggttttaagg cagttatact attataggtc aactaaacat 300
237 atttatcagg gcatttccat tacttccata ataattataa gtgtgttctt tgtattaggc 360
238 atattttcat atggctgttc catctctaatt ttaccgttga aaaattccagg taaatttggtg 420
239 gttttctatt tggaaacacat aaattatttg tgggtaatgg caaatctgct taaatgtttc 480
240 aagtatgtgc ctcaaatgag tataaactgg atgggatgct caacagtagg ttatctcatc 540
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252 atggacgatt tccctgaaca tttagcaaaa gacgataaca aagcatggta tggcgcggaa 180
253 gaacacgaga gacgtgcaaa attagatgca atagaaaacac tactatttac agatagtgt 240
254 ctaaaaagga acgacgtgaa aaaacgtgaa aaatacctag acctaataga gaatagtgga 300
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266 tctcacctc caatccatgg cccatttcta ctaaaatcagt accaaatgca cccacatcat 180
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269 <210> SEQ ID NO: 21
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276 aatatcaaaa cttaatttcta tctggataac aatctttctt tggtttgcag aaatatcatt 120
277 aaaaaacaa ctataactac taaggaaagg tataaatggt ttggtttact aattttatat 180
278 ttgatttga tttagcaatta taacttctaa 210
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VERIFICATION SUMMARY

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date